



























Result No.	Query			Length	OR	ID	Description
	Score	Match	%				
1	475	100	0	475	24	ABL40436	Gulfower lipid tr
2	475	100	0	378	24	ABQ05319	Arabidopsis thalia
3	91.8	19.7	3	593	21	AAQ45263	Arabidopsis thalia
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6	54.9	11.3	0	510	18	AAI12293	RNA editing factor
7	44.2	9.3	0	4585	24	ABL12293	Human immune syst
8	44.2	9.3	0	4585	24	AA511182	Human Gene regulat
9	43.6	9.2	0	463	21	AAA49475	Plant Gene Regulat















[illegible]

DE Plant SDF polynucleotide sequence SEQ ID NO: 1

XX Plant; corn; Arabidopsis thaliana, sequence-determined DNA fragment;  
XX SDF, genetic mapping, identification, promoter, structural gene, TMR,  
XX untranslated region; expression control; ds.  
XX Plant.  
XX  
XX W0209040695-A2.  
XX  
XX 13-JUL-2000.  
XX  
XX 07-JAN-2000; 2000-M-0809466  
XX  
XX 08-JAN-1999, 99US 0115293.  
XX  
XX (CERE-) CERES INC.  
XX  
XX Alexandrov K, Boyer V, Chen X, Subramanian G, Tzabalan ME;  
XX Zheng L;  
XX  
XX WPI; 2000-46879/40  
XX  
XX New corn plant and Arabidopsis thaliana sequence-determined DNA  
XX fragments, useful for expressing gene products and for controlling  
XX expression of a target gene -  
XX  
XX Claim 1; Page 357; 673pp; English.  
XX  
XX The present invention describes polynucleotides, such as complete cDNA  
XX sequences and/or sequences of genomic DNA encompassing complete genes,  
XX portions of genes, and/or intergenic regions, collectively referred to  
XX as sequence-determined DNA fragments (SDFs), from corn plants and  
XX Arabidopsis thaliana. The SDFs are promoters, structural genes,  
XX untranslated regions (UTRs), or 3' termination sequences. They can be  
XX used for expressing a gene product and controlling expression of a  
XX target gene, either as a promoter, a structural gene, an UTR or as a  
XX 3' termination sequence. They are also useful as tools for genetic  
XX mapping, and identification of a particular individual plant or for  
XX clustering a group of plants with a common trait. AAA18435 to AAA18630  
XX and AAA18635 to AAA18639 represent the specifically claimed  
XX polynucleotide sequences and polypeptides encoded by them given in the  
XX present invention.  
XX  
XX Sequence 468 bp; 135 A; 101 C; 99 G; 133 T; 0 other;  
XX  
XX Query Match: Query Score 416; E-Value Length 468;  
XX Best Local Similarity: 400; Identical Match 905;  
XX Matches 189; Conservative 0; Mismatches 174; Indels 0; Gaps 0













Mon Jan 13 09:24:51 2003

us-09-923-844b-3.rng

Page 14

[illegible]

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search completed. summary in: 2003, 04-04-55
Job time : 267 secs
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Query March	7.34	Score 34.67	DB	Length 2517
Best Local Strategy	50.29	Score 30.38		
Best Global Strategy	50.29	Score 30.38		
Methods	85	Configuration	1	1336.5s

QY 144 CGTGGCAAGTGTGTGGGATCTCATGTGTCAGGCCCCATCGGCTCA 142  
|||||  
IB 1442 TATGTTCATCAACGACACGAGCTGTATGTGTGTGTGTATATATGGGGACCA 1444

RESULT 6  
 US-09-273-585-29/C  
 : SECTION 9, APPLICATION NUMBER 273-585  
 : Patent No. 5156190  
 : GENERAL INFORMATION:  
 : APPLICANT: FUJIWARA, TSUTOMU  
 : APPLICANT: NAKANABE, TAKESHI  
 : APPLICANT: HORIE, MASATO  
 : TITLE OF INVENTION: AN ISOLATED MUSCLE SPECIES  
 : TITLE OF INVENTION: ISOLATED MUSCLE SPECIES  
 : FILE REFERENCE: Q 1599  
 : CURRENT APPLICATION NUMBER: 13/03/23, 885A

100-65763-6

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? EARLIER APPLICATION NUMBER: 1997-03-19
? EARLIER FILING DATE: 1998-04-07
? EARLIER APPLICATION NUMBER: 98/PCT/AT0
? EARLIER FILING DATE: 1997-03-19
? EARLIER APPLICATION NUMBER: 03/17/1996
? EARLIER FILING DATE: 1996-03-19
? EARLIER APPLICATION NUMBER: 98/03/1997
? NUMBER OF SEQ. IN NUS: 95
? SOFTWARE: Patchin Ver. 2.1
? SEQ IS NC: 29
? LENGTH: 2451
? TYPE: DNA
? ORGANISM: Homo sapiens
? US: 09-273-565-29

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[illegible]







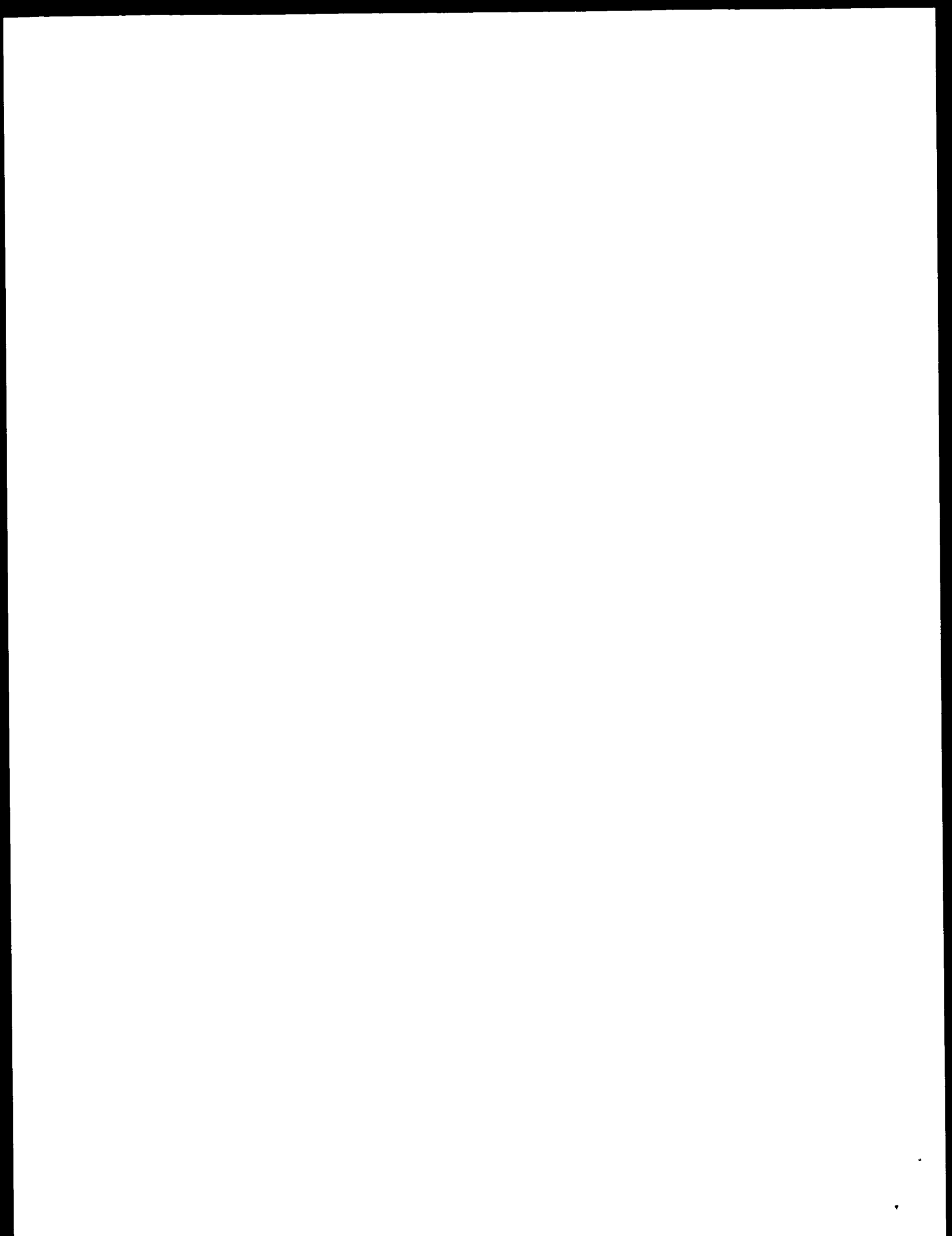


CITY: Washington  
 STATE: D.C.  
 COUNTRY: United States  
 ZIP: 20037-1202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/69/055,699  
 FILING DATE:  
 CLASSIFICATION:  
 PRICE APPLICATION DATA:  
 APPLICATION NUMBER: 98/820,170  
 FILING DATE:  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 293-7060  
 TELEFAX: (202) 293-7860  
 TELEX: 491123  
 INFORMATION FOR SEQ ID NO: 33:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3324 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTISENSE: NO  
 IMMEDIATE SOURCE:  
 LIBRARY: Human fetal brain cDNA library  
 CLONE: GEN-428B1201  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 115..1260  
 US-09-055,699-33

Query Match 7.3% Score 34.6; DB 3; Length 3324;  
 Best Local Similarity 50.3%, Fred. No. 0.45;  
 Matches 85; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

QY	24	CGCTTCTAAATGAAAGAAAGACCAAGATATGTTTCTGTTGGAGTTATTGAGGAAAT	83
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QY	34	GATGTGTTTATGAGGAAATGATGTAAGAAATGAGGAGACATGGAACTATGAGACT	143
DB	1602	CTGGAGATGTTGACAGTGTGTGTATGATGCTGCGGAGTGTACTTGLAGCTGCCC	1543
QY	144	CGTGGCATGTGTGTGCGCATGTCATGCTTCAGCCGCCCATCGGGCTCA	192
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Search completed: January 12, 2003, 02:03:50  
 Job time : 61 secs





Query Match 17.61, Score 53.4, DB 10, Length 378;  
Best Local Similarity 57.61, Pctd. No. 56, 19, Indels 0, Gaps 0;  
Matches 170, Conservative 0, Mismatches 177, Indels 0, Gaps 0;

Query Match 17.61, Score 53.4, DB 10, Length 378;  
Best Local Similarity 57.61, Pctd. No. 56, 19, Indels 0, Gaps 0;  
Matches 170, Conservative 0, Mismatches 177, Indels 0, Gaps 0;

RESULT 2  
US-09-878-574-15303

Sequence 15303, Application US/09878574  
Patent No. US20020105486A1  
GENERAL INFORMATION:  
APPLICANT: Eyrum, Joseph P.  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Thompson, Michael D.  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
FILE REFERENCE: 38-21(1540)B  
CURRENT APPLICATION NUMBER: US/09/878,574  
CURRENT FILING DATE: 2001-01-26  
PRIOR FILING DATE: 1998-01-27  
NUMBER OF SEQ ID NOS: 15775  
SKO ID NO: 15303  
LENGTH: 318  
TYPE: DNA  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1) (318)  
OTHER INFORMATION: unsure at all 4 locations  
OTHER INFORMATION: clone 10, 11, 69, 2802  
US-09-878-574-15303

Query Match 17.61, Score 53.4, DB 10, Length 318;  
Best Local Similarity 54.61, Pctd. No. 6, 7e-16;  
Matches 165, Conservative 0, Mismatches 137, Indels 0, Gaps 0;

Query Match 17.61, Score 53.4, DB 10, Length 318;  
Best Local Similarity 54.61, Pctd. No. 6, 7e-16;  
Matches 165, Conservative 0, Mismatches 137, Indels 0, Gaps 0;

RESULT 3  
US-09-878-574-15303

Sequence 15303, Application US/09878574  
Patent No. US20020105486A1  
GENERAL INFORMATION:  
APPLICANT: Eyrum, Joseph P.  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Thompson, Michael D.  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
FILE REFERENCE: 38-21(1540)B  
CURRENT APPLICATION NUMBER: US/09/878,574  
CURRENT FILING DATE: 2001-01-26  
PRIOR FILING DATE: 1998-01-27  
NUMBER OF SEQ ID NOS: 15775  
SKO ID NO: 15303  
LENGTH: 318  
TYPE: DNA  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1) (318)  
OTHER INFORMATION: unsure at all 4 locations  
OTHER INFORMATION: clone 10, 11, 69, 2802  
US-09-878-574-15303

Query Match 17.61, Score 53.4, DB 10, Length 318;  
Best Local Similarity 54.61, Pctd. No. 6, 7e-16;  
Matches 165, Conservative 0, Mismatches 137, Indels 0, Gaps 0;

Query Match 17.61, Score 53.4, DB 10, Length 318;  
Best Local Similarity 54.61, Pctd. No. 6, 7e-16;  
Matches 165, Conservative 0, Mismatches 137, Indels 0, Gaps 0;

RESULT 4  
US-09-878-574-15303

Sequence 15303, Application US/09878574  
Patent No. US20020105486A1  
GENERAL INFORMATION:  
APPLICANT: Eyrum, Joseph P.  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Thompson, Michael D.  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
FILE REFERENCE: 38-21(1540)B  
CURRENT APPLICATION NUMBER: US/09/878,574  
CURRENT FILING DATE: 2001-01-26  
PRIOR FILING DATE: 1998-01-27  
NUMBER OF SEQ ID NOS: 15775  
SKO ID NO: 15303  
LENGTH: 318  
TYPE: DNA  
ORGANISM: Glycine max  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1) (318)  
OTHER INFORMATION: unsure at all 4 locations  
OTHER INFORMATION: clone 10, 11, 69, 2802  
US-09-878-574-15303





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US-09-878-574-3094
; Sequence 3094, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(15401)B
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: US/09/878,574
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 3094
; LENGTH: 385
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: LIB3028-010 C1 B1 C11
US-09-878-574-3094

Query Match 12.8%, Score 60.6, DB 10, Length 385;
Best Local Similarity 42.0%, Field No. 6.6e-09;
Matches 156; Conservative 0; Mismatches 159; Indels 0; Gaps 0;

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QY 130 AATATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 189
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QY 190 TCATGTCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 249
DB 150 TCATGTCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 209
QY 250 AGTCTGTCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 309
DB 210 AGTCTGTCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 269
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DB 270 AGTATTCACAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 320
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RESULT 11
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; Sequence 3304, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(15401)B
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: US/09/878,574
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 3304
; LENGTH: 385
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; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: LIB3028-010 C1 B1 B12
US-09-878-574-3304

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Best Local Similarity 42.0%, Field No. 6.6e-09;
Matches 156; Conservative 0; Mismatches 159; Indels 0; Gaps 0;

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DB 210 AGTCTGTCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 269
QY 310 AGTATTCACAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 360
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; Sequence 3445, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(15401)B
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: US/09/878,574
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 3445
; LENGTH: 386
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: LIB3028-011 C1-R1-A12
US-09-878-574-3445

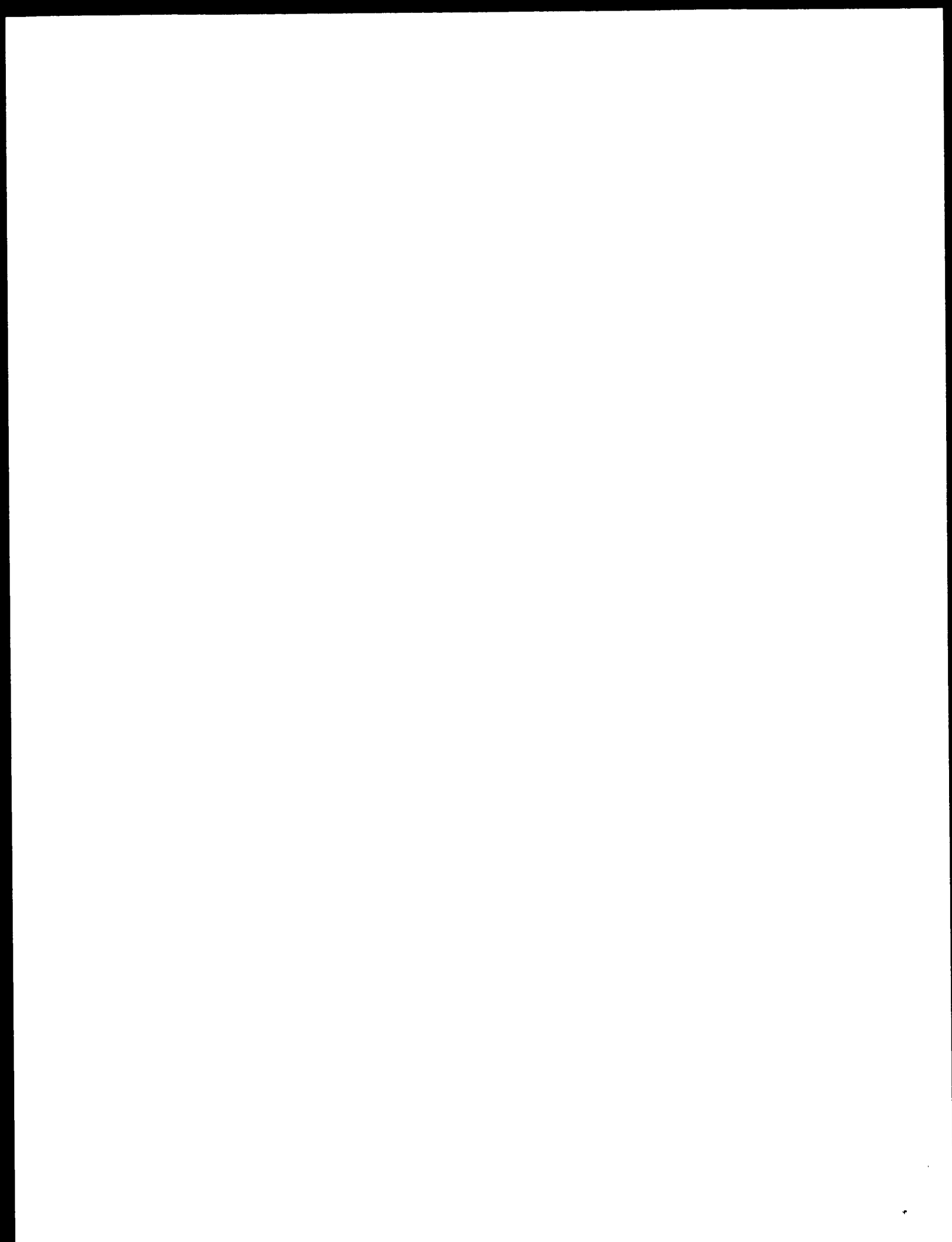
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Best Local Similarity 42.0%, Field No. 6.6e-09;
Matches 156; Conservative 0; Mismatches 159; Indels 0; Gaps 0;

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DB 90 ACCCAACAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 150
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DB 150 TCATGTCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 210
QY 250 AGTCTGTCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 309
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1764

**CONTACT**  
 Dr. Alex. Kozak, FR W McPherson  
 Department of Vegetable Crops, 1 W McPherson Lab  
 University of California at Davis (UCD)  
 Amundson Hall, UCD, Davis, CA 95616, USA  
 Tel: 1-(530)-742-1742  
 Fax: 1-(530)-752-9059  
 Email: [alexk@ucdavis.edu](mailto:alexk@ucdavis.edu)  
 Designs to control cell wall lignification, see <http://cgsbl.ucdavis.edu/>  
 for details.

**FEATURES**  
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 561  
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80	80	90	100	90	80	70	60	50	40	30	20
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[illegible]

D<sub>b</sub>

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[illegible]

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RECEIVED  
 BM438079  
 LOCUS  
 BM438079  
 520 bp  
 11/14/2000  
 11/14/2000  
 11/14/2000

RESTRICTION VVARD0611: An expressed sequence tag database for abiotic stressed leaves of *Vitis vulpina* var. Chardonnay. *Vitis vulpina*

ACCESSION	CJNA clone VV030310.5, NIMA sequence.
PMID	PM438079
DATE	01-19-2000
REVISION	01-19-2000

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KEYWORDS
VERSION      BM43807.1  GI:10455801
EST:
SOURCE       vitis vinifera
COMMENT

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ORGANISM      Virus viniferae  
                  Vitis vinifera  
Eukaryota: Viridiplantae, Streptophyta, Embryophyta; Tracheophyta

Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots; Vitaceae; Vitis.

REFERENCE 1 (cases 1 to 52)











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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Eudicotyledons, Rosales,
Rosaceae, Vitis.
: (Bases 1 to 652)
Abtal,P., Agnew,A., Ancochea,A., Arianasova,E., Barrion,F.,
Couture,C., Dedaldecamp,B., Dorot,S., Glissant,D., Grimpel,L.,
Hamdi,S., Pomieu,C. and Terrier,N.
Generation Of Expressed Sequence Tag from Grape Berry (skin, pulp
or seeds) at Various Developmental Stages
Published : 2002
Contact: Pomieu C.
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Email: romieusam@inra.fr
Seq primer: 77.
Location/Qualifiers
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                /organelle="cytosolized library, non-enriched"
                /site="XbaI, cytosolized library, non-enriched"
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                (seeds) at various developmental stages by RT-PCR."
                /project="Agnewes,A., Abtal,P., Pomieu,C. in "Plant Physiol."
                112 : 1575-83 2001"
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ORIGIN
Query March     20,98; Score 99.2; DB 14; Length 652;
Best local similarity 59.0%; Pied.Nat.A 5-15;
Matches 100; Conservative 0; Mismatches 118; Indels 0; Gaps 0;
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QY    125 TTGCAGTATATAGAGTGTGTGTATATATGTTGTTGGTATCATATGATCTGAGGCCCAT 184
DF    566 CATGAGAGCCACCGAATAGAGCTTTTGGTGTGGTGAATCATCATATCAATCAACCGG 507
QY    185 CGGCTCATGTGGCAGTAGAGTAAGGAGTACAGATATCTCTCTCTCTGCTGATAANTGAAA 244
DB    536 TAAACTATGTGTAGCAGAGTCAAGGAAATAGAAATTTTCTTTTGTAGTAATCAGA 447
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DB    446 ACCCGAATCTAAGCAAGTTTTTAACTTCTGATTAAGGAGGAAAGTGTGTATGTTTG 397
QY    395 GAGTTAGTATTTGCAAGTGTCTAGAAATATATTTTGGTTTCAACTTAT 352
DB    386 TGACTGCAATGCTGAAGTGCAGATAGAACAGATAGATTTTAAATTTTCTCT 339
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LOCUS R0794874
DEFINITION EST 3418 Verticillium Grape Berries Lambda Zap II Library Vitis
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ACCESSION R0794874
VERSION none4ent
KEYWORDS EST.
SOURCE Vitis vinifera
ORGANISM Vitis vinifera
Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Eudicotyledons, Rosales,
Rosaceae, Vitis.

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[illegible]





